

CHEMICO-BIOLOGICAL INTERACTIONS

SUBJECT INDEX

VOLUME 78 (1991)

- Adriamycin, exocytosis, binding site, sodium cromoglycate, 97
- AFB₁-GSH conjugate, aflatoxin B₁, *Aspergillus flavus*, DNA binding, phenobarbitone, tolnaftate, 13
- Aflatoxin B₁, *Aspergillus flavus*, DNA binding, AFB₁-GSH conjugate, phenobarbitone, tolnaftate, 13
- Aldehydes, tubulin, polymerization, colchicine binding, -SH groups, 183
- Alkylating agents, indoles, indenenes, indenoindoles, antioxidants, hepatocytes, chemoprotection, chemoprevention, 123
- O⁶-Alkylguanine-DNA alkyltransferase, repair, O⁶-methyldeoxyguanosine, O⁴-methylthymidine, dealkylation, thiol, 23
- Antineoplastic, ruthenium^{III} complexes, solid metastasizing tumors, 223
- Antioxidant, tetrahydrobiopterin, dihydropteridine reductase, hydrogen peroxide, reactive oxygen species, pheochromocytoma PC 12 cells, 307
- Antioxidants, indoles, indenenes, indenoindoles, alkylating agents, hepatocytes, chemoprotection, chemoprevention, 123
- Antiviral activity, poly(rG) · poly(rC), cisplatin, conformation, differential pulse polarography, terbium fluorescence, 1
- Aspergillus flavus*, aflatoxin B₁, DNA binding, AFB₁-GSH conjugate, phenobarbitone, tolnaftate, 13
- Bile, copper, metallothionein, blood, urine, rats, 297
- Binding site, adriamycin, exocytosis, sodium cromoglycate, 97
- Bioactivation, carcinogenesis, hemopoietic cells, DNA, RNA, metabolism, 33
- Blood, copper, metallothionein, bile, urine, rats, 297
- Broccoli, cytochrome P-450, induction, colon, liver, 85
- Cadmium, isometallothioneins, inbred strains of mice, 269
- Cadmium, zinc, T-cell proliferation, mitogen, metallothionein, 193
- Cadmium resistance, Cd uptake, metallothionein, glutathione, V79 cells, 207
- Carbon dioxide anion radical, spin trapping, carbon tetrachloride, trichloromethyl radical, phenyl-*N*-*t*-butyl nitron, electron spin resonance of plasma, 155
- Carbon tetrachloride, paraquat, lipid peroxidation, metallothionein, vitamin E, fasting, 143
- Carbon tetrachloride, spin trapping, trichloromethyl radical, carbon dioxide anion radical, phenyl-*N*-*t*-butyl nitron, electron spin resonance of plasma, 155
- Carcinogenesis, hemopoietic cells, DNA, RNA, metabolism, bioactivation, 33
- Carcinogenicity, peroxisome proliferation, liver, genotoxic effects, 235
- Catalase, lipid peroxidation, dibenzo[*a,c*]cyclooctene lignans, superoxide dismutase, 77
- Cd uptake, cadmium resistance, metallothionein, glutathione, V79 cells, 207
- Chemoprevention, antioxidants, indoles, indenenes, indenoindoles, alkylating agents, hepatocytes, chemoprotection, 123
- Chemoprotection, antioxidants, indoles, indenenes, indenoindoles, alkylating agents, hepatocytes, chemoprevention, 123
- Cisplatin, poly(rG) · poly(rC), conformation, antiviral activity, differential pulse polarography, terbium fluorescence, 1
- Colchicine binding, aldehydes, tubulin, polymerization, -SH groups, 183
- Colon, cytochrome P-450, induction, broccoli, liver, 85
- Conformation, poly(rG) · poly(rC), cisplatin, antiviral activity, differential pulse polarography, terbium fluorescence, 1

- Copper, metallothionein, blood, bile, urine, rats, 297
- Copper, metallothionein, rat, liver, kidney, 283
- Cytochrome *P*-450, induction, broccoli, colon, liver, 85
- Dealkylation, repair, *O*⁶-alkylguanine-DNA alkyltransferase, *O*⁶-methyldeoxyguanosine, *O*⁴-methylthymidine, thiol, 23
- Dibenzo[*a,c*]cyclooctene lignans, lipid peroxidation, superoxide dismutase, catalase, 77
- Differential pulse polarography, poly(rG) · poly(rC), cisplatin, conformation, antiviral activity, terbium fluorescence, 1
- Dihydropteridine reductase, tetrahydrobiopterin, antioxidant, hydrogen peroxide, reactive oxygen species, pheochromocytoma PC 12 cells, 307
- DNA, carcinogenesis, hemopoietic cells, RNA, metabolism, bioactivation, 33
- DNA adducts, hemoglobin adducts, propene, propylene oxide, ethylene oxide, mouse, 55
- DNA alkylation, *N*-nitrosobis(2-oxopropyl)amine, *N*-nitroso(2-hydroxypropyl)-(2-oxopropyl)amine, *N*-nitrosodimethylamine, repair of *O*⁶-methylguanine, 167
- DNA binding, aflatoxin B₁, *Aspergillus flavus*, AFB₁-GSH conjugate, phenobarbitone, tolnaftate, 13
- Electron spin resonance of plasma, spin trapping, carbon tetrachloride, trichloromethyl radical, carbon dioxide anion radical, phenyl-*N*-*t*-butyl nitron, 155
- Endothelial cells, prostaglandin A₂, glutathione, menadione, oxidative stress, 67
- Enzyme inducers, 1-nitropyrene, HepG2, metabolism, 253
- Ethylene oxide, hemoglobin adducts, DNA adducts, propene, propylene oxide, mouse, 55
- Exocytosis, adriamycin, binding site, sodium cromoglycate, 97
- Fasting, paraquat, lipid peroxidation, metallothionein, vitamin E, carbon tetrachloride, 143
- Free radicals, *N,N,N',N'*-tetramethyl-*p*-phenylenediamine, reactive oxygen intermediates, hemoglobin, 321
- Free radicals, *N,N,N',N'*-tetramethyl-*p*-phenylenediamine, metabolism, glutathione conjugates, kinetics, 333
- Fungicides, nephrotoxicity, succinimides, rat renal, proximal tubules, maleimides, 109
- Genotoxic effects, peroxisome proliferation, liver, carcinogenicity, 235
- Glutathione, cadmium resistance, Cd uptake, metallothionein, V79 cells, 207
- Glutathione, prostaglandin A₂, endothelial cells, menadione, oxidative stress, 67
- Glutathione conjugates, *N,N,N',N'*-tetramethyl-*p*-phenylenediamine, free radicals, metabolism, kinetics, 333
- Heavy metals, human lymphocytes, metallothioneins, 347
- Hemoglobin, *N,N,N',N'*-tetramethyl-*p*-phenylenediamine, reactive oxygen intermediates, free radicals, 321
- Hemoglobin adducts, DNA adducts, propene, propylene oxide, ethylene oxide, mouse, 55
- Hemopoietic cells, carcinogenesis, DNA, RNA, metabolism, bioactivation, 33
- HepG2, 1-nitropyrene, enzyme inducers, metabolism, 253
- Hepatocytes, antioxidants, indoles, indenenes, indenoindoles, alkylating agents, chemoprotection, chemoprevention, 123
- Human lymphocytes, metallothioneins, heavy metals, 347
- Hydrogen peroxide, tetrahydrobiopterin, dihydropteridine reductase, antioxidant, reactive oxygen species, pheochromocytoma PC 12 cells, 307
- Inbred strains of mice, isometallothioneins, cadmium, 269
- Indenes, indoles, indenoindoles, antioxidants, alkylating agents, hepatocytes, chemoprotection, chemoprevention, 123
- Indenoindoles, antioxidants, indoles, indenenes, alkylating agents, hepatocytes, chemoprotection, chemoprevention, 123
- Indoles, indenenes, indenoindoles, antioxidants, alkylating agents, hepatocytes, chemoprotection, chemoprevention, 123
- Induction, cytochrome *P*-450, broccoli, colon, liver, 85 Isometallothioneins, inbred strains of mice, cadmium, 269
- Kidney, metallothionein, copper, rat, liver, 283
- Kinetics, *N,N,N',N'*-tetramethyl-*p*-phenylenediamine, free radicals, metabolism, glutathione conjugates, 333
- Lipid peroxidation, dibenzo[*a,c*]cyclooctene lignans, superoxide dismutase, catalase, 77

- Lipid peroxidation, paraquat, metallothionein, vitamin E, carbon tetrachloride, fasting, 143
- Liver, cytochrome P-450, induction, broccoli, colon, 85
- Liver, metallothionein, copper, rat, kidney, 283
- Liver, peroxisome proliferation, genotoxic effects, carcinogenicity, 235
- Maleimides, nephrotoxicity, succinimides, fungicides, rat renal, proximal tubules, 109
- Menadione, prostaglandin A₂, glutathione, endothelial cells, oxidative stress, 67
- Metabolism, carcinogenesis, hemopoietic cells, DNA, RNA, bioactivation, 33
- Metabolism, 1-nitropyrene, HepG2, enzyme inducers, 253
- Metabolism, *N,N,N',N'*-tetramethyl-*p*-phenylenediamine, free radicals, glutathione conjugates, kinetics, 333
- Metallothionein, cadmium, zinc, T-cell proliferation, mitogen, 193
- Metallothionein, cadmium resistance, Cd uptake, glutathione, V79 cells, 207
- Metallothionein, copper, blood, bile, urine, rats, 297
- Metallothionein, copper, rat, liver, kidney, 283
- Metallothionein, paraquat, lipid peroxidation, vitamin E, carbon tetrachloride, fasting, 143
- Metallothioneins, human lymphocytes, heavy metals, 347
- O*⁶-Methyldeoxyguanosine, repair, *O*⁶-alkylguanine-DNA alkyltransferase, *O*⁴-methylthymidine, dealkylation, thiol, 23
- O*⁴-Methylthymidine, repair, *O*⁶-alkylguanine-DNA alkyltransferase, *O*⁶-methyldeoxyguanosine, dealkylation, thiol, 23
- Mitogen, cadmium, zinc, T-cell proliferation, metallothionein, 193
- Mouse, hemoglobin adducts, DNA adducts, propene, propylene oxide, ethylene oxide, 55
- N*-Nitroso(2-hydroxypropyl)-(2-oxopropyl)amine, *N*-nitrosobis(2-oxopropyl)amine, *N*-nitrosodimethylamine, DNA alkylation, repair of *O*⁶-methylguanine, 167
- N*-Nitrosobis(2-oxopropyl)amine, *N*-nitroso(2-hydroxypropyl)-(2-oxopropyl)amine, *N*-nitrosodimethylamine, DNA alkylation, repair of *O*⁶-methylguanine, 167
- N*-Nitrosodimethylamine, *N*-nitrosobis(2-oxopropyl)amine, *N*-nitroso(2-hydroxypropyl)-(2-oxopropyl)amine, DNA alkylation, repair of *O*⁶-methylguanine, 167
- Nephrotoxicity, succinimides, fungicides, rat renal, proximal tubules, maleimides, 109
- 1-Nitropyrene, HepG2, enzyme inducers, metabolism, 253
- Oxidative stress, prostaglandin A₂, glutathione, endothelial cells, menadione, 67
- Paraquat, lipid peroxidation, metallothionein, vitamin E, carbon tetrachloride, fasting, 143
- Peroxisome proliferation, liver, genotoxic effects, carcinogenicity, 235
- Phenobarbitone, aflatoxin B₁, *Aspergillus flavus*, DNA binding, AFB₁-GSH conjugate, tolinaftate, 13
- Phenyl-*N*-*t*-butyl nitron, spin trapping, carbon tetrachloride, trichloromethyl radical, carbon dioxide anion radical, electron spin resonance of plasma, 155
- Pheochromocytoma PC 12 cells, tetrahydrobiopterin, dihydropteridine reductase, antioxidant, hydrogen peroxide, reactive oxygen species, 307
- Poly(rG) · poly(rC), cisplatin, conformation, antiviral activity, differential pulse polarography, terbium fluorescence, 1
- Polymerization, aldehydes, tubulin, colchicine binding, -SH groups, 183
- Propene, hemoglobin adducts, DNA adducts, propylene oxide, ethylene oxide, mouse, 55
- Propylene oxide, hemoglobin adducts, DNA adducts, propene, ethylene oxide, mouse, 55
- Prostaglandin A₂, glutathione, endothelial cells, menadione, oxidative stress, 67
- Proximal tubules, nephrotoxicity, succinimides, fungicides, rat renal, maleimides, 109
- Rat, metallothionein, copper, liver, kidney, 283
- Rats, copper, metallothionein, blood, bile, urine, 297
- Rat renal, nephrotoxicity, succinimides, fungicides, proximal tubules, maleimides, 109
- Reactive oxygen intermediates, *N,N,N',N'*-tetramethyl-*p*-phenylenediamine, free radicals, hemoglobin, 321

- Reactive oxygen species, tetrahydrobiopterin, dihydropteridine reductase, antioxidant, hydrogen peroxide, pheochromocytoma PC 12 cells, 307
- Repair, *O*⁶-alkylguanine-DNA alkyltransferase, *O*⁶-methyldeoxyguanosine, *O*⁴-methylthymidine, dealkylation, thiol, 23
- Repair of *O*⁶-methylguanine, *N*-nitrosobis(2-oxopropylamine), *N*-nitroso(2-hydroxypropyl)-(2-oxopropyl)amine, *N*-nitrosodimethylamine, DNA alkylation, 167
- RNA, carcinogenesis, hemopoietic cells, DNA, metabolism, bioactivation, 33
- Ruthenium^{III} complexes, antineoplastic, solid metastasizing tumors, 223
- SH groups, aldehydes, tubulin, polymerization, colchicine binding, 183
- Sodium cromoglycate, adriamycin, exocytosis, binding site, 97
- Solid metastasizing tumors, ruthenium^{III} complexes, antineoplastic, 223
- Spin trapping, carbon tetrachloride, trichloromethyl radical, carbon dioxide anion radical, phenyl-*N*-*t*-butyl nitron, electron spin resonance of plasma, 155
- Succinimides, nephrotoxicity, fungicides, rat renal, proximal tubules, maleimides, 109
- Superoxide dismutase, lipid peroxidation, dibenzo[*a,c*]cyclooctene lignans, catalase, 77
- T-cell proliferation, cadmium, zinc, mitogen, metallothionein, 193
- Terbium fluorescence, poly(rG) · poly(rC), cisplatin, conformation, antiviral activity, differential pulse polarography, 1
- Tetrahydrobiopterin, dihydropteridine reductase, antioxidant, hydrogen peroxide, reactive oxygen species, pheochromocytoma PC 12 cells, 307
- N,N,N',N'*-Tetramethyl-*p*-phenylenediamine, free radicals, metabolism, glutathione conjugates, kinetics, 333
- N,N,N',N'*-Tetramethyl-*p*-phenylenediamine, reactive oxygen intermediates, free radicals, hemoglobin, 321
- Thiol, repair, *O*⁶-alkylguanine-DNA alkyltransferase, *O*⁶-methyldeoxyguanosine, *O*⁴-methylthymidine, dealkylation, 23
- Tolnaftate, aflatoxin B₁, *Aspergillus flavus*, DNA binding, AFB₁-GSH conjugate, phenobarbitone, 13
- Trichloromethyl radical, spin trapping, carbon tetrachloride, carbon dioxide anion radical, phenyl-*N*-*t*-butyl nitron, electron spin resonance of plasma, 155
- Tubulin, aldehydes, polymerization, colchicine binding, —SH groups, 183
- Urine, copper, metallothionein, blood, bile, rats, 297
- V79 cells, cadmium resistance, Cd uptake, metallothionein, glutathione, 207
- Vitamin E, paraquat, lipid peroxidation, metallothionein, carbon tetrachloride, fasting, 143
- Zinc, cadmium, T-cell proliferation, mitogen, metallothionein, 193

CHEMICO-BIOLOGICAL INTERACTIONS

AUTHOR INDEX

VOLUME 78 (1991)

Aleo, M.D.	109	Kawazoe, Y.	23
Alessio, E.	223	Kershaw, W.C.	269
Allameh, A.	13	Klaassen, C.D.	269
Arena, A.R.	253	Klugmann, F.B.	97
Autrup, H.	85	Kogan, E.M.	1
		Kohda, K.	23
Baldini, L.	97	Koizumi, S.	347
Beije, B.	235	Kokkinakis, D.M.	167
Belisario, M.-A.	253		
Berger, M.L.	123	Liu, G.-T.	77
Borgia, R.	253	Lu, H.	77
Brabec, V.	1		
Bregant, F.	223	Mestroni, G.	223
Bremner, I.	283, 297	Miglietta, A.	183
		Mukerji, K.G.	13
Candussio, L.	97		
Ceschia, V.	223	Nilsson, R.	235
Corbett, B.R.	33		
Corbett, M.D.	33	Ochi, T.	207
Cross, T.J.	109	Ohno, K.	67
		Ohsawa, M.	193
de Lorenzo, F.	253	Olivero, A.	183
Decorti, G.	97	Olofsson, K.	55
		Osterman-Golkar, S.	55
Erixon, K.	235	Otsuka, F.	193
Evering, W.E.N.D.	283, 297		
Eyer, P.	321, 333	Pacor, S.	223
		Pecce, R.	253
Fujimoto, M.	67	Platonova, G.A.	1
		Preat, V.	235
Gabriel, L.	183		
Gadoni, E.	183	Quintana, S.J.	33
Graupner, P.R.	123		
		Raj, H.G.	13
Hannothiaux, M.-H.	33	Ramel, C.	235
Haywood, S.	283, 297	Rankin, G.O.	109
Hirata, M.	67	Reinke, L.A.	155
Itano, K.	23	Sainsbury, M.	123
		Sasaki, M.	143
Janzen, E.G.	155	Sato, M.	143
Jensen, H.	85	Sava, G.	223
		Sawada, N.	23

Saxena, M.	13	Vang, O.	85
Schnellmann, R.G.	109	Vrana, O.	1
Shen, R.-S.	307		
Shertzer, H.G.	123		
Sidorova, N.S.	1	Wood, A.M.	297
Staiano, N.	253		
Störle, C.	321, 333	Yamada, H.	347
Svensson, K.	55	Yasuda, M.	23
Trafford, J.	283, 297	Zhang, Y.	307